

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 3, 2003, 10:45:43 ; Search time 11 Seconds
(without alignments)
4.357 Million cell updates/sec

Title: US-09-540-209B-4084
Perfect score: 1641
Sequence: 1 tgsaaatgataatagaga.....acgacctctgccttttaa 1641

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 14 segs, 14603 residues

Total number of hits satisfying chosen parameters: 28

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : 6110705.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Query Length	ID	Description
1	14	0.9	1356	1	US-08-444-189-7
2	14	0.9	7502	1	US-08-444-189-6
3	10	0.6	744	1	US-08-444-189-17
4	10	0.6	744	1	US-08-444-189-17
5	10	0.6	744	1	US-08-444-189-17
6	10	0.6	735	1	US-08-444-189-11
7	10	0.6	735	1	US-08-444-189-11
8	10	0.6	735	1	US-08-444-189-15
9	10	0.6	930	1	US-08-444-189-19
10	10	0.6	930	1	US-08-444-189-19
11	10	0.6	933	1	US-08-444-189-21
12	10	0.6	1065	1	US-08-444-189-9
13	10	0.6	1065	1	US-08-444-189-9
14	10	0.6	1356	1	US-08-444-189-7
15	10	0.6	7502	1	US-08-444-189-6
16	9	0.5	20	1	US-08-444-189-1
17	9	0.5	309	1	US-08-444-189-13
18	9	0.5	795	1	US-08-444-189-11
19	9	0.5	993	1	US-08-444-189-21
20	8	0.5	19	1	US-08-444-189-3
21	7	0.4	309	1	US-08-444-189-13
22	7	0.4	19	1	US-08-444-189-2
23	7	0.4	19	1	US-08-444-189-1
24	7	0.4	20	1	US-08-444-189-1
25	7	0.4	28	1	US-08-444-189-4
26	7	0.4	28	1	US-08-444-189-4
27	6	0.4	28	1	US-08-444-189-5
28	6	0.4	19	1	US-08-444-189-3

ALIGNMENTS

RESULT 1
US-08-444-189-7
; Sequence 7, Application US/08444189
; Patent No. 6110705
; GENERAL INFORMATION:
; APPLICANT: Ratti, Giulio
; APPLICANT: Comanducci, Maurizio
; APPLICANT: Tecce, Mario F.
; APPLICANT: Giuliani, Matzia M.
; TITLE OF INVENTION: PCTD PLASMID ISOLATED FROM CHLAMYDIA
; TITLE OF INVENTION: TRACHOMATIS SEROTYPE D, ITS GENES AND PROTEINS ENCODED BY
; TITLE OF INVENTION: THEM: RECOMBINANT PLASMIDS FOR THE EXPRESSION OF SAID
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 301 N. Washington Street
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22046-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,189
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/180,528
; FILING DATE:
; APPLICATION NUMBER: US/07/991,512
; FILING DATE:
; APPLICATION NUMBER: US/07/661,820
; FILING DATE:
; APPLICATION NUMBER: IT MI 91A000314
; FILING DATE: 07-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 1267-202P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1356 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Chlamydia trachomatis
; STRAIN: GO/86 serotype D (trachoma biovar)
; IMMEDIATE SOURCE:
; CLONE: pUC8-p80 plasmid, ATCC 68314
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1353
; US-08-444-189-7
Query Match 0.9%; Score 14; DB 1; Length 1356;
Best local Similarity 100.0%; Pred. No. 0.12;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1102 TACTGCAGTGTGAT 1115
DB 1006 TACTGCAGTGTGAT 1019

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RESULT 2
; US-08-444-189-6
; Sequence 6, Application US/08444189
; Patent No. 6110705
; GENERAL INFORMATION:
; APPLICANT: Ratti, Giulio
; APPLICANT: Comanducci, Maurizio
; APPLICANT: Tecce, Mario F.
; APPLICANT: Giuliani, Marzia M.
; TITLE OF INVENTION: PCID PLASMID ISOLATED FROM CHLAMYDIA
; TITLE OF INVENTION: TRACHOMATIS SEROTYPE D, ITS GENES AND PROTEINS ENCODED BY
; TITLE OF INVENTION: THEM; RECOMBINANT PLASMIDS FOR THE EXPRESSION OF SAID
; TITLE OF INVENTION: GENES IN HETEROLOGOUS SYSTEMS, PREPARATION OF SAID
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 301 N. Washington Street
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22046-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,189
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/180,528
; FILING DATE:
; APPLICATION NUMBER: US/07/991,512
; FILING DATE:
; APPLICATION NUMBER: US/07/661,820
; FILING DATE:
; APPLICATION NUMBER: IT MI 91A000314
; FILING DATE: 07-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 1267-202P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7502 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Chlamydia trachomatis
; STRAIN: GO/86 serotype D ( trachoma biovar )
; IMMEDIATE SOURCE:
; CLONE: pUC8-pcO plasmid, ATCC 68314
; US-08-444-189-6
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; Query Match 0.9%; Score 14; DB 1; Length 7502;
; Best Local Similarity 100.0%; Pred. No. 0.12;
; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 3
US-08-444-189-17
; Sequence 17, Application US/08444189
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; Patent No. 6110705
; GENERAL INFORMATION:
; APPLICANT: Ratti, Giulio
; APPLICANT: Comanducci, Maurizio
; APPLICANT: Tecce, Mario F.
; APPLICANT: Giuliani, Marzia M.
; TITLE OF INVENTION: PCID PLASMID ISOLATED FROM CHLAMYDIA
; TITLE OF INVENTION: TRACHOMATIS SEROTYPE D, ITS GENES AND PROTEINS ENCODED BY
; TITLE OF INVENTION: THEM; RECOMBINANT PLASMIDS FOR THE EXPRESSION OF SAID
; TITLE OF INVENTION: GENES IN HETEROLOGOUS SYSTEMS, PREPARATION OF SAID
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 301 N. Washington Street
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22046-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,189
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/180,528
; FILING DATE:
; APPLICATION NUMBER: US/07/991,512
; FILING DATE:
; APPLICATION NUMBER: US/07/661,820
; FILING DATE:
; APPLICATION NUMBER: IT MI 91A000314
; FILING DATE: 07-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 1267-202P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 744 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Chlamydia trachomatis
; STRAIN: GO/86 serotype D ( trachoma biovar )
; IMMEDIATE SOURCE:
; CLONE: pUC8-pcO plasmid, ATCC 68314
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..744
; US-08-444-189-17
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; Query Match 0.6%; Score 10; DB 1; Length 744;
; Best Local Similarity 100.0%; Pred. No. 13;
; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 4
US-08-444-189-17/C
; Sequence 17, Application US/08444189
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